

REMARKS/ARGUMENTS

After the foregoing Amendment, Claims 1-29 are currently pending in this application. Claims 1 and 26 have been amended to more distinctly claim subject matter. Claim 27 was previously presented in a preliminary amendment, however it appears that it was not considered by the examiner. Therefore claim 27 has been resubmitted for consideration. New claims 28 and 29 have been added to more distinctly claim subject matter. In the specification, paragraph [0001] has been amended to update the continuation data. Applicants submit that no new matter has been introduced into the application by these amendments.

Objections to the Specification

The Examiner objected to the specification because the continuation data referred to a U.S. patent application that recently issued as a U.S. Patent. The specification has been amended to update the continuation data. The withdrawal of the objection to the specification is respectfully requested.

Double Patenting Rejection

Claims 1-26 are rejected under the judicially created doctrine of nonstatutory obviousness-type double patenting as being unpatentable over claims 5, 6, 8-10, 15,

16, 27, 36-44, and 65 of U.S. Patent No. 6,728,517. A Terminal Disclaimer is submitted herewith to overcome the nonstatutory obviousness-type double patenting rejection. The withdrawal of the nonstatutory obviousness-type double patenting rejection is respectfully requested.

Claim Rejections - 35 USC §102

Claims 1, 6, 7 and 23-25 stand rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 7,006,848 to Ling et al. (hereinafter "Ling").

Claim 1 has been amended to include the element of "a first power amplifier that amplifies the first radio frequency signal; and a second power amplifier that amplifies the second radio frequency signal, wherein the power amplifiers are internal or external to the single semiconductor integrated circuit." Instead, Ling teaches a different method for transmitting data from a transmitter unit to a receiver unit in a multiple-input multiple-output (MIMO) communication system. Ling does not teach a first and second power amplifier for amplifying the individual radio frequency signals. Accordingly, Applicants submit that claim 1 is in condition for allowance.

Claims 6, 7 and 23 are dependent upon claim 1, and claims 24 and 25 are dependent on claim 23, all of which the Applicants believe are allowable over the cited prior art of record for the same reasons provided above.

Based on the arguments presented above, withdrawal of the 35 U.S.C. §102 rejection of claims 1, 6, 7 and 23-25 is respectfully requested.

Claim Rejections - 35 USC §103

Claims 2-5, 9 and 26 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Ling in view of U.S. Patent No. 6,215,988 to Matero (hereinafter "Matero").

Based on the arguments above, Claims 1 and 26 have been amended to include features not cited by Ling and Matero. Accordingly, Applicants submit that claims 1 and 26 are in condition for allowance.

Claims 2-5 and 9 are dependent upon claim 1, which the Applicants believe are allowable over the cited prior art of record for the same reasons provided above.

Based on the arguments presented above, withdrawal of the 35 U.S.C. §103 rejection of claims 2-5, 9 and 26 is respectfully requested.

Conclusion

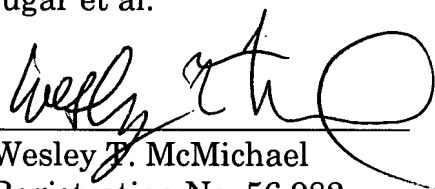
If the Examiner believes that any additional minor formal matters need to be addressed in order to place this application in condition for allowance, or that a telephone interview will help to materially advance the prosecution of this application, the Examiner is invited to contact the undersigned by telephone at the Examiner's convenience.

Applicant: Sugar et al.
Application No.: 10/707,744

In view of the foregoing amendment and remarks, Applicants respectfully submit that the present application, including claims 1-29, is in condition for allowance and a notice to that effect is respectfully requested.

Respectfully submitted,

Sugar et al.

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WTM/NCM/ml
Enclosure

Maryellen Leusky

From: Wesley T. McMichael
Sent: Wednesday, October 31, 2007 10:11 AM
To: Maryellen Leusky; Neil C. Maskeri
Subject: Emailing: 20071029--COG-2-0977 02 us-Reply(DRAFT)

Attachments: 20071029--COG-2-0977 02 us-Reply(DRAFT).doc



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opefully this is third time is charm. This is the final version.

Wes

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